

## ARTIFACT SHEET

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing       Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	571-536
First Named Inventor	Krutchinsky, Andrew N.
<b>COMPLETE IF KNOWN</b>	
Application Number	09 / 236,376
Filing Date	January 25, 1999
Group Art Unit	2878
Examiner Name	Not Assigned

As a below named Inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**SPECTROMETER PROVIDED WITH PULSED ION SOURCE AND TRANSMISSION DEVICE TO DAMP ION MOTION AND METHOD OF USE**

the specification of which

(Title of the Invention)

 Is attached hereto

OR

 was filed on (MM/DD/YYYY) **01/25/1999** as United States Application Number or PCT InternationalApplication Number **09/236,376** and was amended on (MM/DD/YYYY) \_\_\_\_\_ (If applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			YES	NO
2,227,808	Canada	01/23/1998	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	
		<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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## DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Customer Number   → Place Customer Number Bar Code Label here

OR

Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number
Daniel R. Bereskin	22,257	H. Samuel Frost	31,696
Richard J. Parr	22,836	Philip Mendes da Costa	33,106
H. Roger Hart	26,426	Robert B. Storey	33,108
David W.R. Langton	27,747	John R. Rudolph	38,003
C. Lloyd Sarginson	29,245	Robin L.A. Coster	38,016
Timothy J. Sinnott	31,083	Michael E. Charles	38,036

Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to:  Customer Number   OR  Correspondence address below

Name	Bereskin & Parr		
Address	Box 401		
Address	40 King Street West		
City	Toronto	State	Ontario
Country	Canada	ZIP	M5H 3Y2
	Telephone	Fax	(416) 364-7311 (416) 361-1398

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:    A petition has been filed for this unsigned inventor

Given Name (first and middle if any)	Family Name or Surname		
Andrew N.	Krutchinsky		

Inventor's Signature				Date	
Residence: City	Winnipeg	State	Manitoba	Country	Canada
Post Office Address	36B-99 Roslyn Road				
Post Office Address	Same				
City	Winnipeg	State	Manitoba	ZIP	R3L 0G4
Country	Canada				

Additional inventors are being named on the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

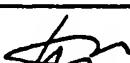
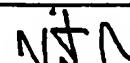
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## DECLARATION

### ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 2

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned Inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Alexandré V.				Loboda			
Inventor's Signature					Date	MAR 28/98	
Residence: City	Winnipeg	State	Manitoba	Country	Canada	Citizenship	Russian
Post Office Address	230-140 Baylor Avenue						
Post Office Address	Same						
City	Winnipeg	State	Manitoba	ZIP	R3T 3P4	Country	Canada
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned Inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Victor L.				Spicer			
Inventor's Signature					Date	MAR 28/98	
Residence: City	Winnipeg	State	Manitoba	Country	Canada	Citizenship	Canadian
Post Office Address	63 Point West Drive						
Post Office Address	Same						
City	Winnipeg	State	Manitoba	ZIP	R3T 3E5	Country	Canada
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned Inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Werner				Ens			
Inventor's Signature					Date	25 March 99	
Residence: City	Winnipeg	State	Manitoba	Country	Canada	Citizenship	Canadian
Post Office Address	27 Warrendale						
Post Office Address	Same						
City	Winnipeg	State	Manitoba	ZIP	R2M 5B8	Country	Canada

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**DECLARATION****ADDITIONAL INVENTOR(S)  
Supplemental Sheet**  
Page 2 of 2

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Kenneth G.		Standing					
Inventor's Signature	<i>K. G. Altander</i>						Date
Residence: City	Winnipeg	State	Manitoba	Country	Canada	Citizenship	Canadian
Post Office Address	60 Kings Drive						
Post Office Address	Same						
City	Winnipeg	State	Manitoba	ZIP	R3T 3E5	Country	Canada
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature							Date
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
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Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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## DECLARATION

### REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Micheline Gravelle	40,261	Robert H.C. MacFarlane	40,366
Andrew I. McIntosh	40,453	Stephen M. Beney	41,563
Shawn D. Jacka	43,379	All of Bereskin & Parr	22,533

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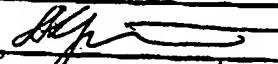
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U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)	
<input type="checkbox"/> Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto. As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: <input type="checkbox"/> Customer Number <input type="checkbox"/> Registered practitioner(s) name/registration number listed below			
<input type="checkbox"/> Customer Number <input type="checkbox"/> Registered practitioner(s) name/registration number listed below			
Name	Registration Number	Name	Registration Number
Daniel R. Bereskin	22,257	H. Samuel Frost	31,696
Richard J. Parr	22,836	Philip Mendes da Costa	33,106
H. Roger Hart	26,426	Robert B. Storey	33,108
David W.R. Langton	27,747	John A. Rudolph	38,003
C. Lloyd Sargison	29,245	Robin L.A. Coster	38,018
Timothy J. Sinnott	31,083	Michael E. Charles	38,038
<input checked="" type="checkbox"/> Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.			
Direct all correspondence to: <input type="checkbox"/> Customer Number or Bar Code Label <input type="checkbox"/> Correspondence address below			
Name	Bereskin & Parr		
Address	Box 401		
Address	40 King Street West		
City	Toronto	State	Ontario
Country	Canada	Telephone	(416) 364-7311
	Fax	(416) 361-1398	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
Name of Sole or First Inventor:	<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle if any)		Family Name or Surname	
Andrew N.	Krutchinsky		
Inventor's Signature			Date 15 March 99
Residence: City	New York	State AL NY	Country Canada USA
Post Office Address	500 East 63rd St, #13D		
Post Office Address	Same		
City	Winnipeg	State Manitoba	ZIP NY 10021
<input checked="" type="checkbox"/> Additional inventors are being named on the 2 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto			

Please type a plus sign (+) inside this box → 

PTO/SB/01 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)**

Declaration Submitted with Initial Filing      OR       Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	571-536
First Named Inventor	Krutchinsky, Andrew N.
<b>COMPLETE IF KNOWN</b>	
Application Number	09/236,376
Filing Date	January 25, 1999
Group Art Unit	2878
Examiner Name	Not Assigned

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**SPECTROMETER PROVIDED WITH PULSED ION SOURCE AND TRANSMISSION DEVICE TO DAMP ION MOTION AND METHOD OF USE**

the specification of which

(Title of the Invention)

 is attached hereto

OR

 was filed on (MM/DD/YYYY) **01/25/1999**

as United States Application Number or PCT International

Application Number **09/236,376** and was amended on (MM/DD/YYYY) **(If applicable)**.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
2,227,806	Canada	01/23/1998	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

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[Page 1 of 2]

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PATENT  
Attorney Docket No. 212417

In re Application of:

Krutchinsky et al.

Application No. 09/236,376

Filed: January 25, 1999

Group Art Unit: 2881

Examiner Kiet Nguyen

For: SPECTROMETER PROVIDED  
WITH PULSED ION SOURCE  
AND TRANSMISSION DEVICE  
TO DAMP ION MOTION AND  
METHOD OF USE.

**REVOCATION OF FORMER POWERS OF ATTORNEY AND  
NEW POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

University of Manitoba (hereinafter the "assignee") is the assignee of record of the entire interest of the above-identified U.S. patent application, and has a place of business in Winnipeg, Manitoba, Canada R3T 2N2.

Pursuant to 37 CFR 3.73(b), the undersigned has reviewed evidentiary documents establishing a chain of title from the inventor(s) to the assignee and, to the best of the undersigned's knowledge and belief, certifies that title is in the assignee. An assignment from the inventors to the assignee was recorded in the U.S. Patent and Trademark Office on April 9, 1999, at Reel 010106, Frame No. 0435.

The assignee hereby revokes all previously given powers of attorney and appoints the following as its attorneys to prosecute and transact all business in the U.S. Patent and Trademark Office connected with the application, including the following: to receive all documents issued by the U.S. Patent and Trademark Office based thereon; to file continuation, continuation-in-part and divisional applications based thereon; to pay any and all fees, including maintenance fees for any resulting patent; and to file for reissues and

In re Appln. of Krutchinsky et al.  
Application No. 09/236,376

extensions and to request reexamination of any resulting patent. All such powers are to be exercised separately or collectively.

Please recognize Leydig, Voit, & Mayer, Ltd. as Associate Attorneys in this case:  
Customer Number 23460.



**23460**

PATENT TRADEMARK OFFICE

The assignee requests that correspondence concerning this application be directed to  
Leydig, Voit & Mayer, Ltd.: Customer Number 23460.

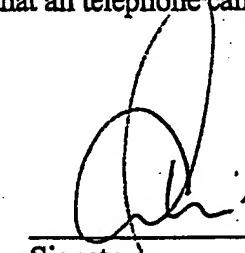


**23460**

PATENT TRADEMARK OFFICE

The assignee also requests that all telephone calls be directed to Y. Kurt Chang at  
(312) 616-5600.

Date: July 23, 2001

  
Signature

M.W. McAdam

*Typed or printed name of person authorized to sign on behalf of  
Assignee*

Vice-President (Administration)

Title

Revoke (Rev. 2/1/2001)